

Figure 15. Nucleotide Sequence for CG106318-01.

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>CG106318-01 4810 nt
GTCCATGGGGCCGATGTATGGGAGATGAATGTGGTCCCGGAGGCATCCAAACGAGGGCTG
TGTGGTGTGCTCATGTGGAGGGATGGACTACACTGCATACTAAGTGAAGCAGGCCGAGA
GACCCAATAACCAAGCAGAAATTGTTTCAAAGTTTGCGATTGGCACAAAGAGTTGTACGACT
GGAGACTGGGACCTTGAATCAGTGTGAGCCCGTGATTCAAAAAGCCTAGAGAAACCTC
TTGAGTGCATTAAAGGGGGAAGAAGGTATTGAGGTGAGGGAGATAGCGTGCATCCAGAAAG
ACAAAGACATTCTGCGGAGGATATCATCTGTGAGTACTTTGAGCCCAAGCCTCTCCTGG
AGCAGGCTTGCCTCATTCTTGCAGCAAGATTGCATCGTGTCTGAATTTTCTGCCTGGT
CCGAATGCTCCAAGACCTGCGGCAGCGGGCTCCAGCACCGGACGCGTGCATGTGGTGGCGC
CCCCGAGTTCGAGGGCTCTGGCTGTCCAAACCTGACGGAGTTCCAGGTGTGCAATCCA
GTCCATGCGAGGGCGGAGGCTCAGGTACAGCCTGCATGTGGGGCCCTGGAGCACCTGCT
CAATGCCCCACTCCCGACAAGTAAGACAAGCAAGGAGACGCGGGAAGAATAAAGAACGGG
AAAAGGACCGCAGCAAAAGGAGTAAAGGATCCAGAAGCCCGGAGCTTATTAAGAAAAAGA
GAAACAGAAACAGGCAGACAAGACAAGAGAACAATATTGGGACATCCAGATTGGATATC
AGACCAGAGAGGTTATGTGCATTAACAAGACGGGAAAGCTGCTGATTTAAGCTTTTGCC
AGCAAGAGAAGCTTCAATGACCTTCCAGTCTGTGTGATCACCAGAGAGTGCAGGTTT
CCGAGTGGTCAGAGTGGAGCCCTGCTCAAAAACATGCCATGACATGGTGTCCCTGCAG
GCACTCGTGAAGGACACGAACCATCAGGCAGTTTCCCATTGGCAGTGAAAAGGAGTGTG
CAGAATTTGAAGAAAAAGAACCCTGTTTGTCTCAAGGAGATGGAGTTGTCCCTGTGCCA
CGTATGGCTGGAGAACTACAGAGTGGAGTGGCTGCTGGAGCCCTTTGCTCAGTCAGC
AGGACAAGAGGGCGCGGCAACCAAGACGCGCCCTCTGTGGAGGGGGCATCCAGACCCGAGAGG
TGTAAGTGCCTGCAGGCCAACGAAACCTCCTCTCACAATTAAGTACCCACAAGAACAAAG
AAGCCTCAAAAGCCAATGGACTTAAATATGCACTGGACCTATCCCTAATACTACACAGC
TGTGCCACATTCTTGTGCCAACTGAATGTGAAGTTTACCTTGGTCAGCTTGGGGACCTT
GTACTTATGAAAAGTGAATGATCAGCAAGGGAAAAAGGCTTCAAAGTGAAGAGCGGC
GCATTAACCAATGAGCCCACTGGAGGCTCTGGGGTAACCGGAAAGTGCCTCACTTACTGG
AAGCCATCCTCTGTGAAGAGCCTGCCTGTTATGACTGGAAGCGGTGAGACTGGGAGACT
GCGAGCCAGATAACGGAAGGAGTGTGGTCCAGGCACGCAAGTTCAAGAGGTTGTGTGCA
TCAACAGTGATGGAGAAGAAGTTGACAGACAGCTGTGCAAGAGATGCCATCTTCCCCATCC
CTGTGGCCTGTGATGCCCCATGCCCCGAAAGACTGTGTGCTCAGCACATGGTCTACGTGGT
CCTCTGTCTCAGACACCTGTCTCAGGGAACGACAGAAAGGGAACAGATACGAGACAGAT
CCATTCTGGCCTATGCGGGTGAAGAAGGTGGAATTCGCTGTCCAAATAGCAGTGCTTTGC
AAGAAGTACGAAGCTGTAATGAGCATCCTTGACAGTGTACCACTGGCAAAGTGGTCCCT
GGGGCAGTGCATTGAGGACACCTCAGTATCGTCCCTCAACACAAGTACGACTTGGAAAG
GGGAGGCCTCCTGCTCTGTCGGCATGCAGACAAGAAAAGTCACTGTGTGCGAGTCAATG
TGGGCAAGTGGGACCCAAAAAATGTCCTGAAAGCCTTCGACCTGAAAGTGAAGGCCTT
GTCTGCTTCTTGTAAAGAAAGGACTGTATTGTGACCCCATATAGTACTGGACATCATGCC
CCTCTTCTGTAAAGAAAGGGGACTCCAGTATCAGGAAGCAGTCTAGGCATCGGGTCATCA
TTCAGCTGCCAGCCAACGGGGGCGGAGACTGCACAGATCCCCTCTATGAAGAGAAGGCCT
GTGAGGCACCTCAAGCGTGCCAAAGCTACAGGTGGAAGACTCACAATGGCGCAGATGCC
AATTAGTCCCTTGGAGCGTGCAACAAGACAGCCCTGGAGCACAGGAAGGCTGTGGCCTG
GGGACAGGCAAGAGCCATTACTTGTGCAAGCAAGATGGAGGACAGGCTGGAATCCATG
AGTGCCTACAGTATGCAGGCCCTGTGCCAGCCCTTACCCAGGCCTGCCAGATCCCCTGCC
AGGATGACTGTCAATTGACAGCTGGTCCAAGTTTCTCATGCAATGGAGACTGTGGTG
CAGTTAGGACCAGAAAGCGCACTCTTGTGGAAGAAAGTAAAAAGAAAGGAAAAATGAAAA
ATTCCCATTTGTATCCCCTGATTGAGACTCAGTATTGTCCTTGTGACAAATATAATGCAC
AACCTGTGGGGAAGTGGTCAAGTGTATTTTACCAGAGGGAAGTGGAAAGTGTGCTGG
GAATGAAAGTACAAGGAGACATCAAGGAATGCGGACAAGGATATCGTTACCAAGCAATGG
CATGCTACGATCAAAATGGCAGGCTTGTGGAACATCTAGATGTAACAGCCATGGTTACA
TTGAGGAGGCCTGCATCATCCCCTGCCCCCTCAGACTGCAAGCTCAGTGAGTGGTCCAAGT
GGTCGCGCTGCAGCAAGTCTGTGGGAGTGGTGTGAAGTTCTGTTCTAAATGGCTGCGTG
AAAAACCATATAATGGAGGAAGGCCTTGGCCCAAGTGGACCATGTCAACCAGGCACAGG
TGTATGAGGTTGTCCCATGCCACAGTGAAGTGAACCAAGTACCTATGGGTACAGAGCCCT
GGAGCATCTGCAAGGTGACCTTTGTGAATATGCGGGAGAACTGTGGAGAGGGCGTGCAAA
CCCGAAAAGTGAAGTGCATGCAGAATACAGCAGATGGCCCTTCTGAACATGTAGAGGATT
ACCTCTGTGACCCAGAGAGATGCCCCCTGGGCTCTAGAGTGTGCAAAATACCATGCCCTG
AGGACTGTGTGATCTGAATGGGTCATGGACCAATGTGTTTTGCCTTGAATCAAA
GCAGTTTCCGGCAAGGTCAGCTGATCCCATCAGACAACCAAGCTGATGAAGGAAGATCTT
GCCCTAATGCTGTTGAGAAAGAACCTGTAACTGAACAAAAAGTGTACCACTATGATT
ATAATGTAACAGACTGGAGTACATGTGAGTGAAGGAGTGTGGAAGTGTGGAAGTGTGGA
TAAACCAAGGATGTGGATTGTGTTGCAAGTGTGGCAAGTCAAGTGTGACCTGAAATATT
GTGAAGCGCTTGGCTTGGAGAAGAACTGGCAGATGAACACGTCTGCATGGTGAATGCC
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CTGTGAACTGTCAGCTTTCTGATTGGTCTCCTTGGTCAGAATGTTCTCAAACATGTGGCC
 TCACAGGAAAAATGATCCGAAGACGAACAGTGACCCAGCCCTTCAAGGTGATGGAAGAC
 CATGCCCTTCCCTGATGGACCAAGTCCAAACCTGCCAGTGAAGCCTTGTATCGGTGGC
 AATATGGCCAGTGGTCTCCATGCCAAGTGCAGGAGGCCCAAGTGTGGAGAAGGGACCAGAA
 CAAGGAACATTTCTTGTGTAGTAAGTGATGGGTGAGCTGATGATTCAGCAAAGTGGTGG
 ATGAGGAATTCTGTGCTGACATTGAACTCATTATAGATGGTAATAAAAAATGTTTCTGG
 AGGAATCCTGCAGCCAGCCTTGGCCAGGTGACTGTTATTTGAAGGACTGGTCTTCTGGA
 GCCTGTGTGACGTGACCTGTGTGAATGGTGAGGATCTAGGCTTTGGTGAATACAGGTCA
 GATCCAGACCGGTGATTATACAAGAACTAGAGAATCAGCATCTGTGCCCAGAGCAGATGT
 TAGAAACAAAATCATGTTATGATGGACAGTGCTATGAATATAAATGGATGGCCAGTGCTT
 GGAAGGGCTCTTCCCGAACAGTGTGGTGTCAAAGGTGAGATGGTATAAATGTAAACAGGGG
 GCTGCTTGGTGTGATGAGCCAGCCTGATGCCGACAGGTCTTGTAAACCCACCGTGTAGTCAAC
 CCCACTCGTACTGTAGCGAGACAAAAACATGCCATTGTGAAGAAGGGTACACTGAAGTCA
 TGTCTTCTAACAGCACCTTGTAGCAATGCACACTTATCCCGTGGTGGTATTACCCACCA
 TGGAGGACAAAAGAGAGATGTGAAAACAGTCGGGCTGTACATCCAACCCAACCTCCA
 GTAACCCAGCAGGACGGGGAAGGACCTGGTTTCTACAGCCATTTGGGCCAGATGGGAGAC
 TAAAGACCTGGGTTTACGGTGTAGCAGCTGGGGCATTGTGTTACTCATCTTTATTGTCT
 CCATGATTTATAGCTTGTGAAAAAGCCAAAGAAACCCAAAGAAAGGCAAAACAACCGAC
 TGAACCTTTAACCTTAGCCTATGATGGAGATGCCGACATGTAACATATAACTTTTCCTG
 GCAACAACCA (SEQ ID NO: 40)

Protein Sequence for CG106318-01 ORF Start: 18 ORF Stop: 4782 Frame: 3

Protein Sequence:

>CG106318-01-prot 1588 aa
 MGDECGPGGIQTRAVVCAHVEGWTTLHTNCKQAERPNNQQNCFKVCWDWHKELYDWRLGPW
 NQCQPVISKLEKPLECIKGEEGIQVREIACIQKDKDIPAEIICEYFEPKPLLEQACLI
 PCQQDCIVSEFSAWSECSKTGSGGLQHRTRHVAPPQFGSGCPNLTQFQVCQSSPCEAE
 ELRYSLHVGWSTCSMPHSRQVRQARRRGKNKEREKDRSGVKDPEARELIKKRNRNRQ
 NRQENKYWDIQIGYQTRVMCINKTGKAADLSFCQKEKLPMTFQSCVITKECQVSEWSEW
 SPCSKTCHDMVSPAGTRVTRTIRQFPIGSEKECPEFEEKEPCLSQGDGVVPCATYGWRT
 TEWTECRVDPLLSQQDKRRGNQALCGGGIQTREYCVQANENLLSQLSTHKNKEASKPM
 DLKLCTGPIPNNTQLCHIPCTECEVSPWSAWGPCTYENCNDQQGKKGFKLRRITNEP
 TGGSGVTGNCPHLEAIPCEEPACYDVKAVRLGDCEPDNGKECGPGTQVQEVVINSDDGE
 EVDRQLCRDAIFPIPVACDAPCPKDCVLSTWSTWSSCSHTCSGKTTEGKQIRARSILAYA
 GEEGGIRCPNSSLQEVRSCHNEPCTVYHWQTGPWGQCIEDTSVSSFNTTTWNGEASCS
 VGMQTRKVICVRVNVGQVGPKKCPESLRPETVRPCLLPCKKDCIVTPYSDWTSPPSSCKE
 GDSSIRKQSRHRVILQIPANGGRDCTDPLYEEKACEAPQACQSYRWKTHKWRRCLVPWS
 VQQDSPGAQEGCGPGRQARAITCRKQDGGQAGIHECLQYAGVPALTQACQIPCQDDCQL
 TSWSKFSSCNGDCGAVRTRKRTLVGKSKKKECKNSHLYPLIETQYCPCKDYNAQPVGNW
 SDCILPEGKVEVLLGMKVQGGDIKECGQYRYQAMACYDQNGRLVETSRCSHGYIEEACI
 IPCPSDCKLSEWSNWSRCSKSCGSGVKVRSKWLREKPYNGGRPCPKLDHVNQAQVYEVVP
 CHSDCNQYLWVTEPWSICKVTFVNMRENCGEVQTRKVRQMNTADGPSEHVEDYLCDE
 EMPLGSRVCKLPCPEDCVISEWGPWTQCVLPCNQSSFRQRSADPIRQPADEGRSCPNAVE
 KEPCLNLKNKYHYDYNVDWSTCQLSEKAVCGNGIKRMLDCVRSDDGKSVDLKYCEALGL
 EKNWQMNTSCMVECPVNCQLSDWSPWSECSQTCGLTGKMIRRRRTVTQPFQGDGRPCPSLM
 DQSKPCPVKPCYRWQYQWSPCQVQEAQCGEGTRTRNISCVVSDGSADDFSKVVDEEFCA
 DIEIIDGNKNMVLEESQPCPGDCYLKDWSSWSLCLTCVNGEDLFGGGIQRVSRPVI
 IQELENQHLCPQEMLETKSCYDGCYQYKWMASAWKGSSRTVWCQRSDGINVTGGCLVMS
 QPDADRSCNPPCSQPHSYCSETKTCHCEEYETVMSSNSTLEQCTLIPVVVLPTMEDKRG
 DVKTSRAVHPTQSSNPAGRGRTWFLQPFQPDGRLKTWVYGVAAGAFVLLIFIVSMIYLA
 CKKPKPKPQRQRNNRLKPLTLAYDGDADM (SEQ ID NO: 41)

Figure 16. Nucleotide and Protein Sequences for CG50817-04.

>CG50817-04 1447 nt
 GCGGACACCAGTGATGCTCCTGGGACCCTACGCAATCTGCGCCTGCGTCTCATCAGTCGC
 CCCACATGTAAGTGTATCTACAACCAGCTGCACCAGCGACACCTGTCCAACCCGGCCCGG
 CCTGGGATGCTATGTGGGGGCCCCAGCCTGGGGTGCAGGGCCCTGTCAGGTCTGATAG
 GGAGAAGAGAAGGAGCAGAAGGGGAGGGGCCAACCCTGGGCTGGGGGTTGGACTCACAG
 GACTGGGGGAAAGAGCTGCAATCAGAGGGTGTCTGCCATAGCTGGGCTCAGGCATCTGTC
 CTTGGCTTTGTTGCCTGGCTCCAGGGAGATTCCGGGGGCCCTGTGCTGTGCCTCGAGCCT
 GACGGACACTGGGTTCAAGCTGGCATCATCAGCTTTGCATCAAGCTGTGCCAGGAGGAC
 GCTCCTGTGCTGCTGACCAACACAGCTGCTCACAGTTCCTGGCTGCAGGCTCGAGTTCAG
 GGGGCAGCTTTCTGGCCCAGAGCCCAGAGACCCCGAGATGAGTGATGAGGACAGCTGT
 GTAGCCTGTGGATCCTTGAGGACAGCAGGTCCCCAGGCAGGAGCACCTCCCCATGCCCC
 TGGGAGGCCAGGCTGATGCACCAGGGACAGCTGGCCTGTGGCGGAGCCCTGGTGTGAGAG
 GAGGCGGTGCTAACTGCTGCCCAGTTCATTGGGCGCCAGGCCCCAGAGGAATGGAGC
 GTAGGGCTGGGGACCAGACCGGAGGAGTGGGGCCTGAAGCAGCTCATCCTGCATGGAGCC
 TACACCCACCCTGAGGGGGGCTACGACATGGCCCTCCTGCTGCTGGCCCAGCCTGTGACA
 CTGGGAGCCAGCCTGCGGGCCCTCTGCCTGCCCTATGCTGACCACCACCTGCCTGATGGG
 GAGCGTGGCTGGGTTCTGGGACGGGCCCCGCCCAGGAGCAGGCATCAGCTCCCTCCAGACA
 GTGCCCGTGACCCTCCTGGGGCCTAGGGCCTGCAGCCGGCTGCATGCAGCTCCTGGGGGT
 GATGGCAGCCCTATTCTGCCGGGGATGGTGTGTACAGTGCTGTGGGTGAGCTGCCCAGC
 TGTGAGGCCAACCAACCAGCTGCTGACAGGGGACCTGGCCATTCTCAGGAACAAGAGAAT
 GCAGGCAGGCCAAATGGCATTACTGCCCCTGTCTCCCCACCCTGTCATGTGTGATTCCAG
 GCACCAGGGCAGGCCCAGAAGCCCAGCAGCTGTGGGAAGGAACCTGCCTGGGGCCACAGG
 TGCCCACTCCCCACCCTGCAGGACAGGGGTGTCTGTGGACACTCCACACCCAACTCTGC
 TACCAAGCAGGCGTCTCAGCTTTCCTCCTCTTACCCTTTCAGATACAATCACGCCAGC
 CACGTTGTTTTGAAAATTTCTTTTTTGGGGGGCAGCAGTTTCTTTTTTAACTTAA
 ATAAATT (SEQ ID NO:42)

Protein Sequence for CG50817-04 ORF Start: 520 ORF Stop: 1192 Frame: 1

Protein Sequence:

>CG50817-04-prot 224 aa
 MSDEDSVCVACGSLRTAGPQAGAPSPWPWEARLMHQQLACGGALVSEEAVLTAAHCFIGR
 QAPEEWSVGLGTRPEEWGLKQLILHGAYTHPEGGYDMALLLAQPVTLGASLRPLCLPYA
 DHHLDPDGERGWVLRARPGAGISLQTVPTLLGPRACSRHAAPGGDGSPILPGMVCTS
 AVGELPSCEANQPAADRGPGHSQEENAGRQMAALLPLSSPPCHV (SEQ ID NO:43)

Figure 17. Nucleotide and Protein Sequences for CG50817-05.

. Nucleotide sequence encoding the Peptidase-like protein of the invention.

>CG50817-05
 CGCTGGGCCTCTGTCCTGATGCTGCTGAGCTCCCTGGTGTCTCTCGCTGGTTCTGTCTAC 60
 CTGGCCTGGATCCTGTTCTTCGTGCTCTATGATTTCTGCATTGTTGTATCACCACCTAT 120
 GCTATCAACGTGAGCCTGATGTGGCTCAGTTTCCGGAAGGTCCAAGAACCCAGGGCCAA 180

CCCAAGCCTCAGGAGGGCAACACAGTCCCTGGCGAGTGGCCCTGGCAGGCCAGTGTGAGG 240
 AGGCAAGGAGCCACATCTGCAGCGGCTCCCTGGTGGCAGACACCTGGGTCCTCACTGCT 300
 GCCCACTGCTTTGAAAAGGCAGCAGCAACAGAAGTGAATTCCTGCGTGAGGGACTCAGCC 360
 CCTGGGGCCGAAGAGGTGGGGGTGGCTGCCCTGCAGTTGCCCAGGGCCTATAACCACTAC 420
 AGCCAGGGCTCAGACCTGGCCCTGCTGCAGCTCGCCACCCACGACCCACACACCCCTC 480
 TGCCTGCCCCAGCCCGCCCATCGCTTCCCTTTGGAGCCTCCTGCTGGGCCACTGGCTGG 540
 GATCAGGACACCAGTGATGCTCCTGGGACCCTACGCAATCTGCGCCTGCGTCTCATCAGT 600
 CGCCCCACATGTAAGTGTATCTACAACCAGCTGCACCAGCGACACCTGTCCAACCCGGCC 660
 CGGCCTGGGATGCTATGTGGGGGCCCCAGCCTGGGGTGCAGGGCCCCCTGTCAGGGAGAT 720
 TCCGGGGCCCTGTGCTGTGCTCGAGCCTGACGGACACTGGGTTTCAGGCTGGCATCATC 780
 AGCTTTGCATCAAGCTGTGCCCAGGAGGACGCTCCTGTGCTGCTGACCAACACAGCTGCT 840
 CACAGTTCTGCTGCAGGCTCGAGTTTCAGGGGGCAGCTTTCCTGGCCCAGAGCCCAGAG 900
 ACCCCGAGATGAGTGATGAGGACAGCTGTGTAGCCTGTGGATCCTTGAGGACAGCAGGT 960
 CCCCAGGCAGGAGCACCCCTCCCCATGGCCCTGGGAGGCCAGGCTGATGCACCAGGGACAG 1020
 CTGGCCTGTGGCGGAGCCCTGGTGTGAGAGGAGGCGGTGCTAACTGCTGCCCACTGCTTC 1080
 ATTGGGCGCCAGGCCCCAGAGGAATGGAGCGTAGGGCTGGGGACCAGACCCGAGGAGTGG 1140
 GGCCTGAAGCAGCTCATCCTGCATGGAGCCTACACCCACCCCTGAGGGGGGCTACGACATG 1200
 GCCCTCCTGCTGCTGGCCCAGCCTGTGACACTGGGAGCCAGCCTGCGGCCCTCTGCCTG 1260
 CCCTATGCTGACCAACACCTGCCTGATGGGGAGCGTGGCTGGGTTCTGGGACGGGCCCGC 1320
 CCAGGAGCAGGCATCAGCTCCCTCCAGACAGTGCCCGTGACCCCTCCTGGGGCCTAGGGCC 1380
 TGCAGCCGGCTGCATGCAGCTCCTGGGGGTGATGGCAGCCCTATTCTGCCGGGGATGGTG 1440
 TGTACCAAGTGCTGTGGGTGAGCTGCCCAGCTGTGAGGCCAACCAACCAGCTGCTGACAGG 1500
 GGACCTGGCCATTCTCAGGAACAAGAGAATGCAGGCAGGCAAATGCCATTACTGCCCTG 1560
 TCCTCCCCACCCTGTCATGTGTGATTCCAGGC 1592
 (SEQ ID NO:44)

Protein sequence encoded by the coding sequence shown above.

>CG50817-05
 MLLSSLVSLAGSVYLAWILFFVLYDFCIVCITYAINVSLMWLSFRKVQEPQGQPKPQEG 60
 NTVPGIEWPWQASVRRQGAHICSGSLVADTWVLTAAHCFEKAATELNSCVRDSAPGAEEV 120
 GVAALQLPRAYNHYSQGSDDLALLQLAHPHTHTPLCLPQPAHRFPFGASCWATGWDQDTS 180
 APGTLRLRLRLISRPTCNCIYNQLHQRHLSNPARPGMLCGGPQPGVQGPCQGDSSGPVL 240
 CLEPDGHVWQAGIIFASSCAQEDAPVLLNTAAHSSWLQARVQGAFLAQSPETPEMSD 300
 EDSCVACSLRTAGPQAGAPSPWPWEARLMHQQLACGGALVSEEAVLTAHCFIGRQAP 360
 EEWSVGLGTRPEEWGLKQLILHGAYTHPEGGYDMALLLAQPVTLGASLRPLCLPYADHH 420
 LPDGERGWVLGRARPGAGISSLQTVPTLLGPRACSRSLHAAPGGDGSPLPGMVCTSAVG 480
 ELPSCEANQPAADRPGHSGEQENAGRQMALPLSSPPCHV 521
 (SEQ ID NO:45)

Figure 18. Nucleotide and Protein Sequences for CG50817-06.

Nucleotide sequence encoding the Peptidase-like protein of the invention.

>CG50817-06
 AGCGACACCTGTCCAACCCGGCCCCGGCCTGGGATGCTATGTGGGGGCCCCAGCCTGGGG 60
 TGCAGGGCCCCTGTGAGGGAGATTCCGGGGGGCCCTGTGCTGTGCCTCGAGCCTGACGGAC 120
 ACTGGGTTTCAGGCTGGCATCATCAGCTTTGCATCAAGCTGTGCCCAGGAGGACGCTCCTG 180
 TGCTGCTGACCAACACAGCTGCTCACAGTTCTGGCTGCAGGCTCGAGTTTCAGGGGGCAG 240
 CTTTCCTGGCCCAGAGCCCAGAGACCCCGGAGATGAGTGATGAGGACAGCTGTGTAGCCT 300
 GTGGATCCTTGAGGACAGCAGGTCCCCAGGCAGGAGCACCCCTCCCCATGGCCCTGGGAGG 360
 CCAGGCTGATGCACCAGGGACAGCTGGCCTGTGGCGGAGCCCTGGTGTGAGAGGAGGCGG 420
 TGCTAACTGCTGCCCCTGCTTCATTGGGCGCCAGGCCCCAGAGGAATGGAGCGTAGGGC 480
 TGGGGACCAGACCGGAGGAGTGGGGCCTGAAGCAGCTCATCCTGCATGGAGCCTACACCC 540
 ACCCTGAGGGGGGGCTACGACATGGCCCTCCTGCTGCTGGCCCAGCCTGTGACACTGGGAG 600
 CCAGCCTGCGGGCCCCCTGCTGCTGCCCTATGCTGACCACACCTGCCTGATGGGGAGCGTG 660
 GCTGGGTTCTGGGACGGGGCCCCAGGAGCAGGCATCAGCTCCCTCCAGACAGTGCCCG 720
 TGACCCTCCTGGGGCCTAGGGCCTGCAGCCGGCTGCATGCAGCTCCTGGGGGTGATGGCA 780
 GCCCTATTCTGCCGGGGATGGTGTGTACCAAGTGTGTGGGTGAGCTGCCCAGCTGTGAGG 840
 CCAACCAACCAGCTGCTGACAGGGGACCTGGCCATTCTCAGGAACAAGAGAATGCAGGCA 900
 GGCAAATGGCATTACTGCCCTGTCTCCCCACCCTGTCATGTGTGATTCCAGGCACACAG 960

GGCAGGCCCCAGAAGCCCAGCAGCTGTGGGAAGGAACCTGCCTGGGGCCACAGGTGCCAC 1020
TCCCCACCTGCAGGACAGGGGTGTCTGTGGACACTCCCACACCCAACCTCTGCTACCAAG 1080
CAGGCGTCTCAGCTTTCCTCCTCTTACCTTTTACGATAACAATCACGCCAGCCACGTTG 1140
TTTTGAAAATTTCTTTTTTGGGGGGCAGCAGTTTTCTTTTTTAAACTTAAATAAATT 1200
 (SEQ ID NO:46)

Protein sequence encoded by the coding sequence shown above.

>CG50817-06
 MLCGGPQPGVQGPCQGDSSGGPVLCLEPDGHWVQAGIISFASSCAQEDAPVLLNTAAHSS 60
 WLQARVQGAFLAQSPETPEMSDESDCVACGSLRTAGPQAGAPSPWPWEARLMHQGQLAC 120
 GGALVSEEAVLTAHCFIGRQAPEEWSVGLGTRPEEWGLKQLILHGAYTHPEGGYDMALL 180
 LLAQPVTLGASLRPLCLPYADHHLDPGERGWVLGRARPGAGISSLTQVPTLLGPRACSR 240
 LHAAPGGDGSPILPGMVCTSAVGELPSCEANQPAADRGPGRHSQEENAGRQMALPLSSP 300
 PCHV 304
 (SEQ ID NO:47)

Figure 19. Nucleotide and Protein Sequences For CG51099-03.

Nucleotide sequence encoding the Serine Protease-like protein of the invention.

>CG51099-03
 CCGAGAGACGCAGTCGGCTGCCACCCCGGGATGGGTGCGTGGTGCCAGACCGTCGCGCGC 60
 GGGCAGCGCCCCCGGACGTCCTGCCCCCTCCCGCGCCGGTGCCCTGCTGCTGCTGCTTCTG 120
 TTGCTGAGGTCTGCAGGTTGCTGGGGCGCAGGGGAAGCCCCGGGGGCGCTGTCCACTGCT 180
 GATCCCGCCGACCAGAGCGTCCAGTGTGTCCCAAGGCCACCTGTCTTCCAGCCGGCCT 240
 CGCCTTCTCTGGCAGACCCCGACCCAGACACTGCCCTCGACCACCATGGAGACCCAA 300
 TTCCCAGTTTCTGAAGGCAAAGTCGACCCATACCGCTCCTGTGGCTTTTCTTACGAGCAG 360
 GACCCACCCCTCAGGGACCCAGAAGCCGTGGCTCGGCGGTGGCCCTGGATGGTCAGCGTG 420
 CGGGCCAATGGCACACACATCTGTGCCGGCACCATCATTGCCCTCCAGTGCGGTGCTGACT 480
 GTGGCCCACTGCCTGATCTGGCGTGATGTTATCTACTCAGTGAGGGTGGGGAGTCCGTGG 540
 ATTGACAGATGACGCAGACCGCCTCCGATGTCCCGGTGCTCCAGGTATCATGCATAGC 600
 AGGTACCGGGGCCAGCGGTTCTGGTCTTGGGTGGGGCCAGGCCAACGACATCGGCCTCCTC 660
 AAGCTCAAGCAGGAACCTCAAGTACAGCAATTACGTGCGGCCCATCTGCCTGCCTGGCAGC 720
 GACTATGTGTTGAAGGACCATTCGCGTGCAGTGTGACGGGTGGGGACTTTCCAAGGCT 780
 GACGGCATGTGGCCTCAGTTCCGGACCATTCAGGAGAAGGAAGTCATCATCTGAACAAC 840
 AAAGAGTGTGACAATTTCTACCACAACCTTACCAAAATCCCCACTCTGGTTTCAGATCATC 900
 AAGTCCCAGATGATGTGTGCGGAGGACACCCACAGGGAGAAGTTCTGCTATGAGCTAACT 960
 GGAGAGCCCTTGGTCTGCTCCATGGAGGGCAGTGGTACCTGGTGGGATTGGTGAGCTGG 1020
 GGTGCAGGCTGCCAGAAGAGCGAGGCCCCACCCATCTACCTACAGGTCTCCTCCTACCAA 1080
 CACTGGATCTGGGACTGCCTCAACGGGCAGGCCCCGGCCCTGCCAGCCCCATCCAGGACC 1140
 CTGCTCCTGGCACTCCCCTGCCCCCTCAGCCTCCTTGCTGCCCTCTGACTCTGTGTGCC 1200
TCCCTCACTTGTGA 1214
 (SEQ ID NO:48)

Protein sequence encoded by the nucleotide sequence shown above.

>CG51099-03
 MGRWCQTVARGQRPRTSAPSRAGALLLLLLLLRSAGCWGAGEAPGALSTADPADQSVQCV 60
 PKATCPSSRPRLWQTPTTQTLPTTMETQFPVSEKVDPYRSCGFSYEQDPTLRDPEAV 120
 ARRWPWMVSVRANGTHICAGTHIASQWVLTVAHCLWRDVIYSVRVGPWIDQMTQTASD 180
 VPVLQVIMHSRYRAQRFWSWVGQANDIGLLKLKQELKYSNYVRPICLPGTDYVLKDHSCR 240
 VITGWGLSKADGMWPQFRTIQEKEVILNNKECDNFYHNFTKIPTLVQIIKSQMMCAEDT 300

HREKFCYELTGEPLVCSMEGTWYLVGLVSWGAGCQKSEAPPIYLQVSSYQHWIWDCLNGQ 360
 ALALPAPSRTLLALPLPLSLAAL 385 (SEQ ID
 NO:49)

Figure 20. Nucleotide and Protein Sequences For CG57051-04.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-04.

```
>CG57051-04
TGCGGATCCTCACACGACTGTGATCCGATTCTTTCCAGCGGCTTCTGCAACCAAGCGGGT 60
CTTACCCCCGGTCTCCGCGTCTCCAGTCTCGCACCTGGAACCCCAACGTCCCCGAGAG 120
TCCCCGAATCCCCGCTCCAGGCTACCTAAGAGGATGAGCGGTGCTCCGACGGCCGGGGC 180
AGCCCTGATGCTCTGCGCCGCCACCGCCGTGCTACTGAGCGCTAGATCTGGACCCGTGCA 240
GTCCAAGTCGCGCGCTTTGCGTCTGGGACGAGATGAATGTCCTGGCGCACGGACTCCT 300
GCAGCTCGGCCAGGGGCTGCGCGAACACGCGGAGCGCACCCGCACTCAGCTGAGCGCGCT 360
GGAGCGGCGCCTGAGCGCGTGC GG GTCCGCCTGTCAGGGAACCGAGGGGTCCACCGACCT 420
CCCGTTAGCCCCCTGAGAGCGGGGTGGACCCTGAGGTCCTTCACAGCCTGCAGACACAAC 480
CAAGGCTCAGAACAGCAGGATCCAGCAACTCTTCCACAAGGTGGCCCAGCAGCAGCGGCA 540
CCTGGAGAAGCAGCACCTGCGAATTCAGCATCTGCAAAGCCAGTTTGGCCTCCTGGACCA 600
CAAGCACCTAGACCATGAGGTGGCCAAGCCTGCCCGAAGAAAGAGGCTGCCCGAGATGGC 660
CCAGCCAGTTGACCCGGCTCACAATGTCAGCCGCTGCACCGAGGCTGGTGGTTTGGCAC 720
CTGCAGCCATTCCAACCTCAACGGCCAGTACTTCCGCTCCATCCACAGCAGCGGCAGAA 780
GCTTAAGAAGGGAATCTTCTGGAAGACCTGGCGGGGCGCTACTACCCGCTGCAGGCCAC 840
CACCATGTTGATCCAGCCCATGGCAGCAGAGCGAGCCTCCTAGCGTCTCTGGCTGGGCCTG 900
GTCCCAGGCCACGAAAGACGGTGACTCTTGGCTCTG 937 (SEQ ID NO:50)
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Protein sequence encoded by the nucleotide sequence shown above.

```
>CG57051-04
MSGAPTAGAALMLCAATAVLLSARSGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE 60
RTRSQLSALERRLSACGSACQGTGSTDPLAPESRVDPEVLHSLQTQLKAQNSRIQQLF 120
HKVAQQQRHLEKQHLRIQLQSQFGLLDHKHLDHEVAKPARRKRLPEMAQPVDPAHNVSR 180
LHRGWVFGTCSHSLNNGQYFRSIPQQRQKLKKGIFWKTWRGRYYPLQATTMLIQPMAAEA 240
AS 242 (SEQ ID NO:51)
```

Figure 21. Nucleotide and Protein Sequences For CG57051-05.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-05.

```
>CG57051-05
CTTCGTCTCCAGTCTCGCACCTGGAACCCCAACGTCCCCGAGAGTCCCCGAATCCCCGC 60
TCCCAGGCTACCTAAGAGGATGAGCGGCGCTCCGACGGCCGGGCAGCCCTGATGCTCTG 120
CGCCGCCACCGCCGTGCTACTGAGCGCTCAGGGCGGACCCGTGCAGTCCAAGTCGCCGCG 180
CTTTGCGTCTGGGACGAGATGAATGTCCTGGCGCACGGACTCCTGCAGCTCGGCCAGGG 240
GCTGCGCGAACACGCGGAGCGCACCCGAGTCAGCTGAGCGCGCTGGAGCGGCGCCTGAG 300
CGCGTGCGGGTCCGCCTGTCAGGGAACCGAGGGGTCCACCGACCTCCCGTTAGCCCCCTGA 360
GAGCCGGGTGGACCTGAGGTCTTTCACAGCCTGCAGACACAACCTCAAGGCTCAGAACAG 420
CAGGATCCAGCAACTCTTCCACAAGGTGGCCCAGCAGCAGCGGCACCTGGAGAAGCAGCA 480
CCTGCGAATTCAGCATCTGCAAAGCCAGTTTGGCCTCCTGGACCACAAGCACCTAGACCA 540
TGAGGGTGGCAAGCCTGCCCGAAGAAAGAGGCTGCCCGAGATGGCCCAGCCAGTTGACCC 600
GGCTCACAATGTCAGCCGCTGCACCATGGAGGCTGGACAGTAATTCAGAGGCGCCACGA 660
TGGCTCAGTGGACTTCAACCGGCCCTGGGAAGCCTACAAGCGGGGTTTGGGGATCCCCA 720
CGGCGAGTTCTGGCTGGGTCTGGAGAAGGTGCATAGCATCATGGGGGACCGCAACAGCCG 780
CCTGGCCGTGCAGCTGCGGACTGGGATGGCAACGCCGAGTTGCTGCAGTTCTCCGTGCA 840
CCTGGGTGGCGAGGACACGGCCTATAGCCTGCAGCTCACTGCACCCGTGGCCGGCCAGCT 900
```

GGGCGCCACCACCGTCCCAACCCAGCGGCTCTCCGTACCCTTCTCCACTTGGGACCAGGA 960
 TCACGACTCCGCAGGGACAAGAACTGCGCCAGAGCCTCTCTGGAGGCTGGTGGTTTGG 1020
 CACCTGCAGCCATTCACACCTCAACCGCCAGTACTTCCGTCCATCCCACAGCAGCGGCA 1080
 GAAGCTTAAGAAGGAATCTTCTGGAAGACCTGGCGGGGCGCTACTACCGCTGCAGGC 1140
 CACCACCATGTTGATCCAGCCCATGGCAGCAGAGGCAGCCTCCTAGCGTCTGGCTGGGC 1200
 CTGGTCCCAGGCCACGAAAGAGGTGACTCTTGGCTCTG 1239 (SEQ ID NO:52)

Protein sequence for Angiopoietin-like protein, CG57051-05.

>CG57051-05
 MSGAPTAGAALMLCAATAVLLSAQGGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE 60
 RTRSQLSALERRLSACGSACQGTGSTDLPLAPESRVDPEVLHSLQTQLKAQNSRIQQLF 120
 HKVAQQQRHLEKQHLRIQHLQSQFGLLDHKHLDHEGGKPARRKRLPEMAQPVDPAHNVSR 180
 LHHGGWTVIQRRHDGSDVFNRPWEAYKAGFGDPHGEFWLGLKVSIMGDRNSRLAVQLR 240
 DWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPSPGLSVFPSTWDQDHLRRD 300
 KNCAKSLSGGWVFGTCSHNSNLNGQYFRSIPQQRQKLKKGIFWKTRGRYYPQLQATTMLIQ 360
 PMAAEAS 368 (SEQ ID NO:53)

Figure 22. Nucleotide and Protein Sequences For CG57051-02.

Nucleotide sequence encoding the Angiopoietin-like protein of the invention.

>CG57051_02
 TGCGGATCCTCACACGACTGTGATCCGATTCTTCCAGCGGCTTCTGCAACCAAGCGGGT 60
 CTTACCCCGGTCTCCGCGTCTCCAGTCTTCGACCTGGAACCCCAACGTCCCCGAGAG 120
 TCCCCGAATCCCCCGTCCCAAGGTACCTAAGAGGATGAGCGGTGCTCCGACGGCCGGGGC 180
 AGCCCTGATGCTCTGCGCCGCCACCGCCGTGCTACTGAGCGCTAGATCTGGACCCGTGCA 240
 GTCCAAAGTCGCGCGCTTTGCGTCTGGGACGAGATGAATGTCTGGCGCACGGACTCCT 300
 GCAGCTCGGCCAGGGGTGCGCGAACACGCGGAGCGCACCCGAGTCAGCTGAGCGCGCT 360
 GGAGCGGCGCGCTGAGCGCGTCCGCGTCCGCGTTCAGGGAACCGAGGGTCCACCGACCT 420
 CCCGTTAGCCCCCTGAGAGCCGGGTGGACCTGAGGTCTTCCAGCCTGCAGACACAACCT 480
 CAAGGCTCAGAACAGCAGGATCCAGCAACTCTTCCACAAGGTGGCCAGCAGCAGCGGCA 540
 CCTGGAGAAGCAGACCTGCGAATTCAGCATCTGCAAAGCCAGTTTGGCCTCCTGGACCA 600
 CAAGCACCTAGACCATGAGGTGGCCAAACCTGCCCGAAGAAAGAGGCTGCCCGAGATGGC 660
 CCAGCCAGTTGACCCGCTCACAAATGTGACCGCCCTGCACCATGGAGGCTGGACAGTAAT 720
 TCAGAGGCGCCACGATGGCTCAATGGACTTCAACCGGCCCTGGGAAGCCTACAAGCGGG 780
 GTTTGGGGATCCCCACGCGAGTTTGGCTGGGTCTGGAGAAGGTGCATAGCATCACGG 840
 GGACCGCAACAGCCGCTGGCCGTGCGAGTGGGGACTGGGATGGCAACGCCGAGTTGCT 900
 GCAGTTCTCCGTGACCTGGGTGGCGAGGACACGGCCTATAGCCTGCAGCTCACTGCACC 960
 CGTGGCCGGCCAGCTGGGCGCCACCACCGTCCCACCCAGCGGCTCTCCGTACCCTTCTC 1020
 CACTTGGGACCAGGATCAGACCTCCGACGGGACAAGAACTGCGCCAAGAGCCTCTCTGC 1080
 CCCATCGGTGGCTCAAAGACCTGACCATGTTCCCTCTCCCTGACCCCGGCAGGAGGCTG 1140
 GTGGTTTGGCACCTGCAGCCATTCCAACCTCAACGCCAGTACTTCCGCTCCATCCCACA 1200
 GCAGCGGCAGAAAGCTTAAGAAGGGAATCTTCTGGAAGACCTGGCGGGGCGCTACTACCC 1260
 GCTGCAGGCCACCACCATGTTGATCCAGCCCATGGCAGCAGAGGCAGCCTCCTAG 1315
 (SEQ ID NO:54)

Protein sequence for CG57051-02.

>CG57051_02
 MSGAPTAGAALMLCAATAVLLSARSGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE 60
 RTRSQLSALERRLSACGSACQGTGSTDLPLAPESRVDPEVLHSLQTQLKAQNSRIQQLF 120
 HKVAQQQRHLEKQHLRIQHLQSQFGLLDHKHLDHEVAKPARRKRLPEMAQPVDPAHNVSR 180
 LHHGGWTVIQRRHDGSDVFNRPWEAYKAGFGDPHGEFWLGLKVSITGDRNSRLAVQLR 240
 DWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPSPGLSVFPSTWDQDHLRRD 300
 KNCAKSLSAPSVAQRPDHVPSPITPAGGWVFGTCSHNSNLNGQYFRSIPQQRQKLKKGIFW 360
 KTRGRYYPQLQATTMLIQPMAAEAS 386 (SEQ ID NO:55)

Figure 23. Nucleotide and Protein Sequences For CG57051-03.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-03.

```
>CG57051-03
CCCCGAGAGTCCCCGAATCCCCGCTCCCAGGCTACCTAAGAGGATGAGCGGTGCTCCGAC      60
GGCGGGGCGAGCCCTGATGCTCTGCGCCGCCACCGCGTGTACTGAGCGCTCAGGGCGG      120
ACCCGTGCAGTCCAAGTCGCCGCGCTTTGCGTCTGGGACGAGATGAATGTCTTGGCGCA      180
CGGACTCCTGCAGCTCGGCCAGGGGCTGCGCGAACACGCGGAGCGCACCCGAGTCAGCT      240
GAGCGCGCTGGAGCGGCGCCTGAGCGCGTGGCGGTCCGCTGTTCAGGGAACCGAGGGGTC      300
CACCGACCTCCCGTTAGCCCTGAGAGCCGGGTGGACCCTGAGGTCTTTCACAGCCTGCA      360
GACACAATCAAGGCTCAGAACAGCAGGATCCAGCAACTCTTCCACAAGGTGGCCAGCA      420
GCAGCGGCACCTGGAGAAGCAGCACCTGCGAATTCAGCATCTGCAAAGCCAGTTTGGCCT      480
CCTGGACCACAAGCACCTAGACCATGAGGTGGCCAAAGCCTGCCCGAAGAAAGAGGCTGCC      540
CGAGATGGCCAGCCAGTTGACCCGGCTCACAATGTCAGCCGCTGCACCATGGAGGCTG      600
GACAGTAATTCAGAGGCGCCACGATGGCTCAGTGGACTTCAACCGGCCCTGGGAAGCCTA      660
CAAGGCGGGGTTTGGGGATCCCCACGCGGAGTTCTGGCTGGGTCTGGAGAAGGTCCATAG      720
CATCACGGGGGACCGCAACAGCCGCTGGCCGTGCAGCTGCGGGACTGGGATGACAACGC      780
CGAGTTGCTGCAGTTCTCCGTGCACCTGGGTGGCGAGGACACGGCCTATAGCCTGCAGCT      840
CACTGCACCCGTGGCCGCGCCAGCTGGCGGCCACACCGTCCACCCAGCGGCCTCTCCGT      900
ACCCTTCCCCACTTGGGACCAGGATCACGACCTCCGCAGGGACAAGAAGTGCGCCAAGAG      960
CCTCTCTGGAGGCTGGTGGTTTGGCACCTGCAGCCATTCCAACCTCAACGGCCAGTACTT      1020
CCGCTCCATCCCACAGCAGCGGCAGAAGCTTAAGAAGGGAATCTTCTGGAAGACCTGGCG      1080
GGGCCGCTACTACCCGCTGCAGGCCACCACATGTTGATCCAGCCCATGGCAGCAGAGGC      1140
AGCCTCCTAG      1150 (SEQ ID NO:56)
```

Protein sequence for CG57051-03.

```
>CG57051-03
MSGAPTAGAALMLCAATAVLLSAQGGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE      60
RTRSQLSALERRLSACGSACQTEGSTDLPLAPESRVDPEVLHSLQTQLKAQNSRIQQLF      120
HKVAQQQRHLEKQHLRIQHLSQFGLLDHKHLDHEVAKPARRKRLPEMAQPVDPAHNVSR      180
LHHGGWTVIQRHDGSVDFNRPWEAYKAGFGDPHGEFVLGLEKVHSITGDRNSRLAVQLR      240
DWDDNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPFSGLSVPFPTWDQDHLRRD      300
KNCAKSLSGGWWFGTCSHSNLNGQYFRSIPQQRQKLKKGIFWKTWRGRYYPLQATTMLIQ      360
PMAAEAAAS      368 (SEQ ID NO:57)
```